Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

PROCEEDINGS

OF THE

ACADEMY OF NATURAL SCIENCES

OF PHILADELPHIA.

VOL. VII. 1854, 1855.

PHILADELPHIA.
PRINTED FOR THE ACADEMY:
By Merrihew & Thompson, Merchant street above Fourth.
1856.

INDEX TO VOLUME VII.

Abert, Col. J. J., don. to lib., x.
Acad. C. L. C. Nat. Curiosorum, don. to lib., xii., xxix.
Acad. Royale des Sciences de Belgique, don. to lib., xvi.
Acad. Nat. Sci. of California, don. to mus., i.; extract from Proceedings of, 15.
Accademia delle Scienze di Torino, don. to lib., ii.
Agnew, A. G. E., don. to lib., xxxv.
Albany Institute, don. to lib., xxxi.
Allen, J. Fisk, don. to lib., xxv.
Allen, William H., LL.D., don. to lib., xxxviii.
American Association for the advancement of Science, don. to lib., xxxv.
American Academy of Arts and Sciences, don. to lib., viii., xxxiv.
American Journal of Science and Arts, don. of, by Editors, i., v., viii., xi., xv., xvii., xxi., xxiii., xxvii., xxxi., xxxiv., xxxix.
American Geographical and Statistical Society, don. to lib., xv.
American Ethnographical Society, don. to lib., xii.
American Philosophical Society, don. to lib., iii., xii., xxii., xxix.
Annals of Science, don. of, by Editor, i., iii., v., vi.
Anthony, J. G., don. to lib., ix.
Annaboldi, G., don. to lib., xiii.
Adams, Capt. H. A., U. S. N., don. to mus., xxx.
Ashhurst, John, don. to mus., xxxvii.
Ashmead, Chas. C., don. to mus., xxvi.
Ashmead, Samuel, don. to mus., i., xiv., xxiii., xxv., xxvi., xxxiii.; remarks on having noticed the fact that *Coluber eximius* can produce a sound like the rattle of the rattlesnake, and that the black snake can produce a similar sound, 345; catalogue of marine Algæ discovered at Beesley's Point, N. J., 410.
Avogadro, Le Comte, don. to lib.; ii.
Baird, Prof. S. F., don. to lib., viii., x., xviii., xxix.; descriptions of new genera and species of North American Frogs, 59; descriptions of new Birds collected between Albuquerque, N. M., and San Francisco, Cal., 1853–4, on the Pacific railroad route, under Lieut. Whipple, 118; characteristics of some new species of Mammalia, collected by the U. S. and Mexican Boundary Survey, Maj. Emory, Commissioner, part 1, 331; characteristics of some new species of N. A. Mammalia, collected chiefly in connection with the U. S. surveys of a railroad route to the Pacific, part 1, 333.
Baird, Prof., and C. Girard, descriptions of new species of Fishes from Texas, New Mexico and Sonora, collected by Mr. J. H. Clark and Capt. Van Vleit, 24.
Bache, Prof. A. D., don. to lib., xvi.
Barton, Dr. E. H., don. to mus., xxi., don. to lib., xxii.
Bavarian Government, don. to lib., ix., xxxii.
Bender, E., don. to mus., xxvi.
Beesley, Thomas, don. to mus., xxv., xxvi.
Belfast Nat. Hist. and Philosoph. Soc., don. to lib., x.
Blake, Wm. P., notice of remarkable strata containing the remains of Infusoria and Polythalamia in the Tertiary formation of Monterey, Cal., 328.
Blanding, Dr. Wm., Jr. don to mus., iv.
Bonaparte, Prince C. L., don. to lib., xxi.
Boston Nat. Hist. Soc., don. to lib., viii., xi., xii., xv., xx., xxii., xxiv., xxv., xxvii., xxviii., xxxiv., xxxv., xxxix.
Bouchardat, M., don. to lib., xx.
Brazier, A., don. to lib., xii., xxii., xxiii., xxiv., xxviii.

Breck, Samuel, don. to mus., xvi.
Bridges, Dr. R., don. to lib., iii.
Brainard, Dr. B. H., don. to lib., xvii.
Brinton, Dr., remarks on a new mode recently devised by him, for the preparation of anatomical specimens, 71.
Brücke, Ernest., don. to lib., xxi.
Burtt, Dr. J. L., U. S. N., don. to mus., xxvi., xxx.
Byrne, Bernard M., don. to lib., xxiv.
By-Laws, amendment of, 88.

California Acad. of Nat. Sci., don. to lib., xv., xxii., xxvii., xxxi., xxxv.
California State Superintendent of Public Instruction, don. to lib., xii.
Cabanis, J., don. to lib., xiii.
Carpenter, G. W., don. to mus., i., don. to lib., vi.
Carus, J. Victor, don. to lib., ix.
Carret, Thos. W., don. to mus., xxi.
Camac, Dr. Wm., don. to mus., xxvi.
Carson, Dr., don. to mus., xxxvii.
Cassin, John, don. to lib., xxxvi.; remarks on the appearance of *Loxia leucoptera* in great numbers in this vicinity, 203; list of pigeons of the genus *Carpophaga*, in the collections of the Acad. Nat. Sci. and of the Explo. Exped. (Vincennes and Peacock) with descriptions and notices of new and little known species, 227; remarks on *Crex pratensis*, a specimen of which had been obtained near Salem, N. J., 265; notes on N. Amer. Falconidæ, with descriptions of new species, 277; reference to *Canis antarcticus*, and several species of geese and other birds from the Falkland Islands, obtained by Capt. Bernsée, 289; descriptions of new species of Birds from Western Africa, in the collection of the Acad. Nat. Sci. of Philada., 324; remarks on the intended expedition of M. Duchaillu into the interior of West Africa, and on the results of his former expeditions in that country, 410; notices of some new and little known Birds in the collection of the U. S. Explo. Exped., in the Vincennes and Peacock, and in the collection of the A. N. S. of Philada., 438.
Charleston Med. Journ. and Review, don of, by Editors, v., xii., xv., xxi. xxii., xxiv., xxvii., xxxiv., xl.
Coates, B. H., don. to lib., xxii.
Coleman, Dr., don. to mus., xiii., xxxvii.
Commissioner of Indian Affairs, don. to lib., viii., ix.
Committee to recommend to the Government the propriety of having Naturalists attached to the expedition for the exploration of Africa, 2.
Committee to solicit contributions from the members of the Academy, to aid the expedition of M. Duchaillu into Western Africa, 40.
Committees, standing, for 1854, 14; for 1855, 264.
Committees on scientific papers: By Chas. Girard; on a new Entomostracan of the family Limnadidæ, inhabiting the western waters, 1; on a new species of Salmonidæ, 71; a list of North American Bufonides, with diagnosis of new species, 72; description of new fishes collected on the Southern Pacific railroad route, 126; enumeration of marine fishes collected at San Francisco, Cal., 127; observations on fishes from the Pacific, 128; characteristics of some cartilaginous Fishes from the Pacific coast of N. America, 195; on Fishes collected on the coast of Chili, 195; abstract of a report to Lieut. Gilliss, upon R ptiles collected during the U. S. Naval Astronomical Expedition to Chili, 202; observations on viviparous fishes inhabiting the Pacific coast of N. America, with an enumeration of the species observed, 289: By Dr. A. T. King, on the ancient Alluvium of the Ohio River and its tributaries, 1; description of fossil Trees found in the coal rocks near Greensburgh, Pa., 35; description of a fossil Fruit found in the carboniferous rocks of Beaver county, Pa., 35: By Mr. Conrad, synopsis of the genera Parapholas and Penicilla, 2; rectification of the generic names of tertiary fossil Shells, 23; notes on Shells with descriptions of new species, 23; descriptions of new species of Unio, 256; observations on the Eocene deposit of Mississippi, with descriptions of new species of Shells and Corals, 256; descriptions of new cretaceous and tertiary fossils, 264; descriptions of new species of cretaceous Shells from Texas, 264; description of a new species of Melania, 264; notes on the Miocene and Post-Pliocene deposits of California,

with descriptions of two new fossil Corals, and description of a new species of Pentamerus, 419: By Major Le Conte, notice of American Animals formerly known, but now forgotten or lost, 2; observations on Vespertilio leporinus, and descriptions of four new species of Kinosternum, 174; descriptions of new species of Astacus from Georgia; on a new species of Gelasimus; remarks on a new species of American Cimex, 399; observations on N. American Bats; descriptive catalogue of Raninæ, 419; description of a new species of Hesperomys, 419: By Isaac Lea, rectification of Mr. T. A. Conrad's synopsis of the family Naïades of N. America, published in Proc. A. N. S. Philada., Feb., 1853, 15; description of a new Mollusk from the red sandstone, near Pottsville, Pa., 346: By Dr. Le Conte, descriptions of some Coleoptera from Oregon, collected by Dr. J. G. Cooper, &c., 15; synopsis of the Œdemeridæ of the U. States, 15; note on the genus Amblychila, 23; synopsis of the species of Platynus and allied genera inhabiting the U. States, 34; synopsis of the Cucuiides of the U. States, 69; notes on some coleopterous Insects from the collections of the Mexican Boundary Expedition, 70; synopsis of Dermestidæ of the U. States, 91; synopsis of the Byrrhidæ of N. America, 91; synopsis of the Erotylidæ of the U. States, 128; descriptions of the species of Trox and Omorgus inhabiting the U. States, 202; descriptions of new Coleoptera collected by Dr. Webb, of the U. States Mexican Boundary Commission, in 1850–'2, 203; synopsis of the Pyrochroides of the U. States, 265; synopsis of the Lathridiides of the U. States and contiguous territories, 285; analytical table of the species Hydroporus found in the U. States, with descriptions of new species, 285; notes on the Amaræ of the U. States, 345; synopsis of the Hydrophilidæ of the U. States, 345: By Prof. Baird and C. Girard, descriptions of new species of Fishes, collected in Texas, New Mexico and Sonora, by Mr. Clark, and in Texas by Capt. Van Vleit, U. S. A., 23; notice of a new genus of Cyprinidæ, 128: By Prof. Baird, descriptions of new species of N. A. Ranæformes and Hylæformes, in the Museum of the Smithsonian Institution, 34; descriptions of new Birds collected between Albuquerque, New Mexico, and San Francisco, Cal., 91; characteristics of some new species of N. American Mammalia, collected chiefly during the U. S. surveys of a railroad route to the Pacific, part I., 336; characteristics of some new species of N. American Mammalia, collected by U. S. and Mexican Boundary Survey under Major Emory, U. S. A., 336: By J. W. Dawson, on fossil coniferous Wood from Prince Edward's Island, 35. By W. Dudley, description of a new species of Crane found in Wisconsin, 35: By Lieut. Couch, U. S. A., notes on Birds observed in Texas and in the States of Nueva Leon, Tamaulipas and Coahuila, Mexico, with descriptions of new species, 35: By Dr. Hallowell, descriptions of new Reptiles from California, and on a genus and species of Serpent from Honduras, presumed to be new, 89; remarks on the geographical distribution of Reptiles, with descriptions of several species supposed to be new, and corrections of former papers, 90; notices of new Reptiles from Texas, 174; contributions to South American Herpetology, 127: By Dr. W. P. Gibbons, descriptions of new species of viviparous Fishes of California, 90; descriptions of new species of viviparous, marine and fresh-water Fishes of California, 121: By Drs. Evans and B. Shumard, descriptions of new fossil species from the cretaceous formation of Sage Creek, Nebraska, 91; descriptions of new fossil species from the fresh-water Tertiary formation of Nebraska, 127: By Dr. Leidy, synopsis of extinct Mammalia from Nebraska, 127; description of a fossil apparently indicating a species of the Camel tribe, 167; on Urnatella gracilis and a new species of Plumatella, 174; notice of some fossil Bones discovered on the banks of the Ohio River, 195; remarks on the identity of Bootherium cavifrons with Ovibos moschatus, or O. maximus, 202; indications of twelve species of fossil fishes, 395; contributions to a knowledge of the marine Invertebrate fauna of the coasts of Rhode Island and New Jersey, 399; indications of five species and two new genera of extinct Fishes, 410; notices

of some Tape-worms, 419 : By M. Tuorney, descriptions of new fossils from the Southern States, 167 : By James D. Dana, catalogue and descriptions of Crustacea, collected in California by Dr. Le Conte, 173 : By Dr. A. L. Heermann, additions to N. American Ornithology, 173 : By A. Durand and Theo. Hilgard, descriptions of new plants from South California, 174 : By J. E. Holbrook, M. D., descriptions of Fishes of S. Carolina, 174. By Joseph Jones, abstract of experiments upon the physical influences exerted by living organic and inorganic membranes upon chemical substances passing through them by endosmosis, 174 : By John Cassin, list of the species of Pigeons of the genus Carpophagus, in the collection of the A. N. S. and of the U. S. Explo. Exped., with descriptions of new and little known species, 203; notes on N. American Falconidæ, with descriptions of new species, 265; descriptions of new species of Birds from W. Africa and Zanzibar, 289 ; description of a new species of Parrot, 415 ; notices on some new and little known Birds in collection of U. S. Explo. Exped. in Vincennes and Peacock, and in collection of A. N. S., 419 : By Dr. Genth, Herrerite identical with Smithsonite, 203 ; analysis of Meteoric Iron, from Tucson, Mex., 288 : By Dr. Wetherill, Chemical notices, 203 : By Prof. Julien Derby, remarks on the Cryptogamic Flora of the State of Georgia, 256: By Messrs. Norwood and Pratten, notice of fossils from the carboniferous series of the Western States, with descriptions of new species, 264: By Mr. Durand, Plantæ Prattenianiæ californicæ with descriptions of Plants, new or unpublished in America, 286 : By Dr. T. C. Henry, notes on the Birds of New Mexico, 286 : By W. R. Blake, notice of remarkable strata of the remains of Infusoria and Polythalamia in the tertiary formation of Monterey, Cal., 336: By Wm. Stimpson, description of new Invertebrata from the Chinese and Japanese seas, 345 and 385: By Dr. J. Aitken Meigs, relation of Atomic heat to Crystalline form, 375 : By José del Solar, of Lima, Peru, description of a new species of Carica, 395 : By Prof. A. Retzius, on artificially formed skulls from the ancient world, 399 : By S. Ashmead, catalogue of marine Algæ, from Beesley's Point, N. J., with some remarks, 409 : By Philip R. Uhler, descriptions of some new species of Coleoptera, 415 : By T. P. James, an enumeration of Mosses detected in the northern U. States, which are not comprised in Gray's Manual, some of which are new species, 453.

Conrad, T. A., rectification of generic names of tertiary fossil Shells, 29 ; notes on Shells, with descriptions of three recent and one fossil species, 31; descriptions of three new species of Unio, 256 ; observations on the Eocene deposit of Jackson, Miss., with descriptions of thirty-four new species of Shells and Fossils, 257; descriptions of eighteen new cretaceous and tertiary Fossils, &c., 265 ; descriptions of one tertiary and eight new cretaceous Fossils from Texas, in the collection of Major Emory, 268 ; description of a new species of Melania, 269 ; note on the Miocene and Post-Pliocene deposits of California, with descriptions of two new fossil Corals, 441 ; description of a new species of Pentamerus, 441.

Cook, Mr., don. to mus., i.

Couch, Lieut. D. N., U. S. A., descriptions of new Birds of Northern Mexico, 66.

Coultas, Harland, don. to lib., x.

Correspondents elected :
Adamson, Rev. Dr. J. C., 284.
Audubon, John W., 337.
Brücke, Prof. Ernest, 201.
Burnett, W. J., 67.
Couch, Lieut. D. N., U. S. A., 14.
Dearing, Dr. Wm. E., 165.
Dalton, Dr. John C., Jr., 337.
Doremy, Dr. R. O., 341.
Enderling, Dr. Chas., 22.
G. y Garcia, Jose A., 341.
Hammond, Dr. Wm. A., U. S. A., 337.
Kirkwood, Prof. D., 67.
McClellan, Capt. Geo. B., U. S. A., 284.
Motschulsky, Col. Victor, 126.
D'Oliveira, C. B., 341.
Pratten, Henry, 173.
Prout, Dr. Hiram A., 173.
Rathvon, S. S., 201.
Sandberger, Dr. Fredolen, 408.
Santos, C. A., 341.
Sandberger, Dr. Guido, 408.
del Solar, Jose, 397.

Steiner, Dr. Lewis H., 454.
Suckley, Dr. George, U. S. A., 454.
Von Nordman, Alexander, 126.
Winslow, R. K., 201.
Wailes, Prof. B. L. C., 337.
Curators, report of for 1854, 252; for 1855, 450.

Da Costa, Dr., don. to lib., xxxviii.; remarks on a new process he has lately employed in making minute injections in anatomical preparations, 90.
Dana, James D., don. to lib., xvi., xxviii.; catalogue and descriptions of Crustacea collected in California by Dr. J. L. Le Conte, 175.
Dalton, Henry G., don. to lib., xxii.
De Candolle, Alph., don. to lib., xxxi.
Dawson, J. W., don. to lib., x., xxxii.; on fossil coniferous Wood from Prince Edward's Island, 62.
Darlington, Dr. Wm., don. to lib., iii.
Dietz, Dr. A. J., don. to mus., xiv.
Dowler, Bennett, don. to lib., xviii.
Dozy, F., don. to lib., xx.
Dock, Dr., don. to mus., xxi.
Drinker, Henry, don. to mus., xxxvii.
Duchaillu, Belloni, don. to mus., xiii.
Dudley, Wm., description of a new species of Crane from Wisconsin, 64.
Durand, Mr., don. to mus., xxx.
Dundas, James, don. to mus., xi.
Dozy, F., and J. H. Molkenboer, don. to lib., xxi.

East India Company, Hon., don. to lib., xxxii.
Ecole des Mines, don. to lib., xxvii., xli.
Edwards, Amory, don. to mus., xi.
Emerson, Dr. G., don. to mus., vi.
Emmons, E., don. to lib., xxv.
Engleman, Dr. Geo., don. to lib., vi.
Evans and Shumard, descriptions of new fossil species from the Cretaceous formation of Sage Creek, Nebraska, 163; descriptions of new fossil species from the fresh water tertiary formations of Nebraska, 164.
Entomological Society of Stettin, don. to lib., xx., xxix.

Field, Roswell, don. to mus., xxxiii.
Fisher, Dr. J. C., don. to mus., xi., xxiii., xxv.
Fisher, Thos., don. to mus., xxi.
Foulke, Wm. P., don. to mus., i.; the thanks of the Academy voted to, for address delivered in commemoration of the founding of the Institution, 33; remarks on a lecture by Mr. Hugh Miller, republished in the U. States, entitled "the Two Records—the Mosaic and the Geological," 69.
Franklin Institute, don. to lib., xvii., xxv., xxxiv.
Freeman, Dr. W. H., don, to mus., xvi., xvii.; don. to lib., xxii.
Foetterle, Franz, don. to lib., xxix.
Fox, Rev. Chas., don. mus., xxxiii.

Geological Society of Germany, don. to lib., ii., ix., xiii., xx., xxviii., xxix., xxxix.
Gilliss, Lieut., U. S. N., don. to lib., xxxix., xli.
Gillette, F. B., don. to mus., xxxvii.
Gould, Aug. A., don. to lib., xli.
Grateloup, Dr., don. to lib., xl.
Garcia, José Ant. G. y, don. to lib., xli.
Girard, Chas., don. to lib., vi., x., xviii., xxv., xxix.; on a new Entomostracan of the family Limnadidæ, inhabiting the western waters, 3; notice of a new species of Salmonidæ from the N. E. part of the U. States, 85; a list of the N. American Bufonids, with diagnoses of new species, 86; descriptions of new Fishes collected by Dr. Heermann on the Pacific railroad route, 129; enumeration of the species of Fishes collected by Dr. Kennerly at San Francisco, Cal., 141; observations on a collection of Fishes made on the Pacific coast of the U. States by Lieut. Trowbridge, U.S.A., 142; characteristics of some cartilaginous Fishes of the Pacific coast of N. America, 196; abstract of a report to Lieut. Gilliss, U. S. N., upon the Fishes collected during the U. States Naval Astronomical Exped. to Chili, 197; abstract of a report to Lieut. Gilliss, U.S. N., upon the Reptiles collected during the U. S. Naval Astronomical Exped. to Chili, 226; notice upon viviparous Fishes inhabiting the Pacific coast of N. America, with an enumeration of the species observed, 318.
Gibbons, Dr. W. P., don. to mus., vii.;

Descriptions of new species of viviparous Fishes of California, 105; descriptions of new species of marine and fresh-water Fishes of California, 122.
Gilliams, Wm., don. to mus., xiv.
Genth, Dr., Herrerite identical with Smithsonite, 232; analysis of the meteoric Iron from Tucson, province of Sonora, Mexico, 317.
Geological Society of London, don. to lib., ii., vii., xi., xv., xxv.
Geolog. and Polytech. Soc. of W. R. Yorkshire, don. to lib., vii.
Gibbes, Dr. Robert W., don. to mus., xxvi.
Goddard, Dr., don. to mus., vii., xi.
Gouhenaut, A., don. to mus., xi.
Gray, Asa, don. to lib., ii., iii., xviii.
Guex, John A., don. to mus., xiii., xvii., xxxvii.
Gillou, Constant, don. to mus., xxxiii.

Haldeman, Prof., don. to mus., vii.; remarks on the Limnadella described by Mr. Girard, 34.
Hall, Jas., don. to lib., iii.
Hallowell, Dr. Edward, don. to mus., xvii., xxvi.; descriptions of new Reptiles from California, 91; on a genus and species of Serpent from Honduras, supposed to be new, 97; remarks on the geographical distribution of Reptiles, with descriptions of new species, &c., 98; notice of new Reptiles from Texas, 192; description of new Reptiles from Guinea, 193.
Hallowell and Leidy, Drs., don. to mus., xxxvii.
Hanson, H. C., don. to lib., xv., xx.
Hare, Lieut. G. H., U. S. N., don. to mus., xvii.
Harrison, Joseph, Sen., don. to mus., xxi.; vote of thanks of the A. N. S. to, for portraits presented, 255.
Hartman, Dr. W. D., don. to mus., vii.,
Hammond, Dr. W. A., U. S. A., don. to mus., xxxiii.,
Harris, Edward, don. to mus., xxxiii.
Harrison, N., don. to mus., xxxvii.
Hauer, M. Von, don. to lib., xl.
Heermann, Dr. A. L., don. to mus., vii., xi., xiv., xxxii.; additions to N. American Ornithology, with descriptions of new species of the genera Actidurus, Podiceps and Podylymbus, 177.
Hamilton, Wm., don. to mus., vii.
Henry, Dr. T. Charlton, U. S. A., notes derived from observations made on the Birds of New Mexico, during the years 1853–4, 306.
Hering, C. T., don. to mus., xxxii.
Hist. Soc. of Penna., don. to lib., viii.
Horner, Dr., don. to mus., xxv.
Horwitz, Dr. J., U. S. N., don. to mus., iv.
Hughes, J. C., don. to mus., xxxvii.
Humboldt, Alexander, don. to lib., ix.

Imperial Acad. of Sci. of Bordeaux, don. to lib., vi., ix., xxxv.
Imperial Soc. of Nat. of Moscow, don. to lib., iii., ix., xxxix.
Imperial Soc. of Nat. Sci. of Cherbourg, don. to lib., v., xxxv.
Imperial Soc. of Sci. of Lyons, don. to lib., xxxix.
Imperial Soc. of Agriculture of Lyons, don. to lib., xxxix.

James, Thos. P., an enumeration of Mosses detected in the northern U. States, which are not comprised in the Manual of Asa Gray, M.D., some of which are new species, 444.
Jones, Joseph, don to mus., xi., xxxiii., xxxvi., xxxvii.; an abstract of experiments upon the physical influences exerted by living organic and inorganic membranes upon chemical substances passing through them by Endosmose, 204.
Jolis, M. Auguste de, don. to lib., v.
Journal of Indian Archipelago and Eastern Asia, don. of, by Editors, i. vii., xv., xx., xxv., xxxv.

Kennedy, Dr. H. W., don. to mus., iv., ix., xxx.
Kilvington, Robert, don. to mus., xiv., xvi. xxvi.
Kirtland, Prof., don. to mus., xi., xiv.
King, Dr. Alfred T., on the ancient alluvium of the Ohio River and its Tributaries, 4; Description of Fossil Trees in the coal rocks near Greensburg, Pa., 64; Description of Fossil Fruit found in the Carboniferous Rocks of Beaver County, Pa., 66.
Koninck, L. de, and H. Le Hon. don. to lib., xxvii.
Kölliker, A., don. to lib. xxi.

Krider, John, don. to mus., i., iv., xxvi.
Kuhn, Carl, don. to lib., xxi.

Lacordaire, Theo., don. to lib., ix.; xxvii.
Lambert, John, don. to mus., i., vii., xxxiii.
Lapham, J. A., don. to lib., xv., xxix., xxxii.
Latour, M. H., don. to lib., xv.
Latrobe, J. H. B., don. to lib., xxiv.
Latham, G., don. to mus., xxxiii.
Lawson, the Misses, don. to lib., xxxv.
Lea, Isaac, don. to mus., i., vii., xiii., xiv., xxx.; don. to lib., xii., xxii., xxiv., xxvii., xxxiv.; remarks on Acostæa guarduasana of D'Orbigny, 1; rectification of Mr. T. A. Conrad's "Synopsis of the family Naïades of N. America," published in the Proceedings of the A. N. S. of Philada., Feb., 1853, 236; reference to the tanned skin of the Walrus, used for polishing cutlery, at Hull, England, 265; description of a new Mollusk, from the Red Sandstone near Pottsville, Pa., 340.
Le Conte, Major, don. to mus., xxxvii.; notice of American animals formerly known, but now forgotten or lost, 8; remarks on Magnolia Pyramidata of Bartram, 174; descriptions of four new species of Kinosternum, 180; Catalogue of American Testudinata, 189; observations on the Vespertilio Leporinus of Lin., 190; descriptions of new species of Astacus from Georgia, 400; on a new species of Gelasimus, 402; remarks on two species of American Cimex, 404; Descriptive Catalogue of the Ranina of the U. States, 423; observations on the N. American species of Bats, 431; description of two new species of Hesperomys, 442.
Le Conte, Dr. John L., don. to mus., i., vi., xiv.; don. to lib., ii.; descriptions of some new Coleoptera from Oregon, collected by Dr. J. G. Cooper, on N. Pacific R. R. route, 16; synopsis of the Œdemeridæ of the U. States, 20; note on the genus Amblychila, Say, 32; synopsis of the species of Platynus and allied genera inhabiting the U. S., 35; remarks on a fragment of the jaw of a new Pachyderm from the Tertiary of Virginia, 69; synopsis of the Cucuiides of the U. S., 73; synopsis of the Dermestidæ of the U. S., 106; synopsis of the Byrrhidæ of the U. S., 113; synopsis of the Erotylidæ of the U. S., 158; descriptions of the species of Trox and Omorgus inhabiting the U. S., 211; some corrections in the Nomenclature of Coleoptera found in the U. S., 216; descriptions of new Coleoptera collected by Thos. H. Webb, M. D., in 1850-1-2, while Sec'y to the U. S. Boundary Commission, 220; remarks on tailless Cats, 286; remarks on some misrepresentations contained in the "Catalogue des larves des Coleoptères," by M. M. Chapins and Candeze, 288; Analytical Table of the species of Hydroporus, found in the U. S., with descriptions of new species, 290; synopsis of Lathridiide of the U. S. and northern contiguous Territories, 299: notes on the Amaræ of the U. S., 346; synopsis of the Hydrophilidæ of the U. S., 356.
Leeds Philosophical and Literary Soc., don. to lib., vii.
Leidy, Dr. Joseph, don. to mus., i., vi., xiv., xxi., xxiii., xxx., xxxiii.; don. to lib., xviii., xxxi., xxxviii.; remarks on exhibiting to the Society four vertebræ of a huge extinct Saurian from Arkansas, for which he proposed the name of Brimosaurus grandis, 72; remarks on Sus Americanus of Harlan, or Harlanus Americanus of Owen, which he considered identical with Bison latifrons, 89; remarks on several fossils indicating new species of extinct mammalia, 90; remarks on the dentition of a new species of mammal from Nebraska, which he characterized under the name of Dinictis felina, 127; remarks on Prof. Lindley's review of "A Flora and Fauna within living animals," 128; synopsis of Extinct Mammalia, the remains of which have been discovered in the Eocene formation of Nebraska, 156; description of a fossil apparently indicating an extinct species of the Camel tribe, 172; on Urnatella gracilis and a new species of Plumatella, 191; notice of Fossil Bones discovered by Mr. F. A. Lincke, on the banks of the Ohio river, 199; remarks on exhibiting a drawing of a species of Hydraena found in the mantle of Unio purpureus, 202; remarks on the question of the identity of Bootherium Cavifrons with Ovibus moschatus, or O.

maximus, 209; remarks on the so-called Fossil man exhibited in New Orleans several years since, 340; indications of twelve species of Fossil Fishes, 395; indications of five species with two new genera of Extinct Fishes, 414; remarks on Escarina variabile, 415; notices on some Tape worms, 443.
Letters from Individuals:—
Adamson, Rev. J. C., 339.
Bernsee, Capt., 287.
Borda, Eugene, 202.
Brücke, Prof. Ernest, 285.
Carpenter, G. W., 34.
Couch, Lieut. D. M., 15.
Dalton, John C., Jr., 203.
Dalton, Dr. H. G., 264.
Deane, Dr., 287.
Dearing, Dr. W. E., 256.
Dock, Geo., 23, 255.
Dowler, Dr. Bennett, 202.
Dos Santos, C. A., 418.
Drinker, Sandwith, 167, 174.
Enderling, Dr. Charles, 35.
Flügel, Dr. J. G., 195.
Foulke, Wm. P., 22.
Fox, Rev. Chas., 121.
Gibbons, Dr. W. P., 15, 90, 345.
Garcia, J. A., G. y., 419.
Hare, Lieut. G. H., 202.
Harrison, Joseph, Jr., 255.
Hagedorn, C. F., 385.
Humphreys, W., 339.
Huston, Dr. M. H., 89.
Kennedy, H. W., 345.
King, Byron, 339.
Kirtland, Prof. J. P., 174.
Kuntz, G. H., 23.
Landes, John, 202.
Lea, Isaac, 1.
Le Conte, Prof. John, 1.
McClellan, Capt. Geo. B., 287.
Michellotti, Giovanni, 121.
Moore, Samuel, 418.
Molkenboer, Dr. J. H., 203.
Müller, Baron J. W., von, 1.
Peale, Chas. Wilson, 419.
Piddington, Henry, 285.
Prout, Dr. Hiram, 285.
Pratten, Henry, 174.
Rathvon, S. S., 202.
Ruschenberger, Dr., 286.
Sandberger, Dr. Guido, 415.
Sauvalle, F. A., 409.
Smith, Prof. J. L., 22.
Tarbé, Prosper, Pres. Nat. Hist. Soc. Rheims, 339, 340.
Vernueil, Ed. de, 287.
Vauquelin, M., 15.
Wailes, Prof. B. L. C., 202.
Wetherill, Mrs. M. K., 15.
Wilson, Prof. J. L., 167.
Letters from Societies, &c.—
Acad. C. L. C. Nat. Curiosorum, 255, 344.
Acad. of Science of Berlin, 415.
Acad. of Naturalists of Breslau, 34, 128.
Amer. Ethnolog. Soc., 126.
Amer. Philosoph. Society, 23, 69, 89, 289, 345.
Belfast Royal Hist. Soc., 89.
Boston Soc. of Nat. Hist., 339, 341.
British Museum, 203, 419.
California Acad. Nat. Sci., 173, 385.
Entomolog. Soc. of Stettin, 339.
Geolog. Soc. of London, 289, 339.
Imperial Soc. of Sci. &c. of Lisle, 285.
Imperial Acad. of Sci. of Bordeaux, 409.
Imperial Royal Institute of Sci. of Milan, 409.
Imperial Soc. of Naturalists of Moscow, 15, 70, 399, 418.
Leipsic City Library, 202.
Linnean Soc. of London, 339.
Lyceum of Nat. Hist. of New York, 23, 167, 173, 285.
Minister of Public Works and Direct. of Mines of France, 419.
Museum of Nat. Hist. of Strasburg, 127.
Nat. Hist. Asso. of Prussian Rhineland and Westphalia, 203, 419.
Nat. Hist. Asso. of Halle, 15.
Nat. Hist. Soc. of Geneva, 255.
Nat. Hist. Soc. of Dantzic, 339.
N. York State Library, 15, 89, 127, 173, 202, 285, 348, 385.
Penna. State Library, 89, 121.
Portland Soc. of Nat. Hist., 69, 70.
Royal Acad. of Sci. of Stockholm, 23, 70, 255, 409.
Royal Saxon Soc. of Sci., 88, 415.
Royal Acad. of Sci. of Vienna, 88, 195, 203, 339, 345, 399.
Royal Bavarian Acad., 126, 203, 339, 899.
Royal Imp. Geolog. Inst. of Vienna, 128, 418.
Royal Acad. of Sci. of Belgium, 174.
Royal Acad. of Sci. of Liege, 195.
Royal Acad. of Sci. of Amsterdam, 202, 419.
Royal Soc. of Sci. of Göttingen, 203, 399.
Royal Lib. of University of Göttingen, 341.
Royal Soc. of Sci. of Upsala, 399.

Royal Mineralogical Soc. of St. Petersburg, 399.
Royal Danish Soc. of Sci., 409.
Royal Acad. of Sci., &c. of Lyons, 418.
Royal Soc. of Agriculture, &c., of Lyons, 418.
Smithsonian Institution, 70, 121, 285, 385.
Soc. of Nat. Hist. of Cherburg, 34, 409.
Soc. of Arts and Sciences of Batavia, 341, 415.
Wurtemburg Nat. Hist. Soc., 255, 345
Zoological Soc. of London, 264.
Lewis, E. J., don. to lib., xxiv.
Lewis, Dr. Samuel, don. to mus., xxxvii.
Lindsley, Dr. Berrian, don. to lib., vi.
Lichtenstein, Dr. H., don. to lib., xiii.
Liner, Dr., U. S. N., don. to mus., xxv.
Linnean Soc. of London, don. to lib., xxviii.
Lombardy Inst. of Sci., &c., don. to lib., xxxv.
Long. Dr. E., don., to mus., vii.
Librarian, Report of, for 1854, 252; for 1855, 449.

Martins, Chas. and B. Gastaldi, don. to lib., xvi.
Mayer, Prof., don. to lib., xxi.
McCall, Col. Geo. A., don. to mus., i., xiv., xvii., xxiii.
McClellan, Capt. Geo. B., don. to mus., xxvi.
McMurtrie, R. C., don. to mus., xxxiii.
Meigs, Dr. Charles D., don. to mus., vi.
Meigs, Dr. J. Aitken, revised edition of the "Catalogue of Human Crania," in the collection of the late Dr. S. G. Morton, 420.
Mitchell, Messrs. E. & J. M., and L. Brognard, don. to mus., xxx.
Merrick, John, don. to mus., xi.
Miller, Edward, don. to mus., xxiii.
Michelin, H., don. to lib., xxviii.
Mitchell, Dr. S. W., don. to mus., i.
Mitchell, Dr. J. K., don. to mus., xvii.
Morris, Dr. J. Cheston, don. to mus., xxx.
Morris, Rev. John D., don. to lib., xxxi.
Moore, Wm., don. to mus., xxxiii.
Moss, T. F., don. to mus., xi.
Motchoulsky, Victor, don. to lib., iii.
Müller, Baron J. W. de, don. to lib., ii.
Müller, Dr. T. D., don. to mus., i.
Murray, Andrew, don. to mus., xxxii.
Members elected:—
Barcroft, Stacey B., 395.
Barton, Isaac, 285.
Borda, Eugene, 173.
Brown, Dr. Robt. F., 418.
Cadwalader, Wm., 285.
Clements, Dr. Richard, 395.
Dock, Dr. Geo., 22.
Drysdale, Dr. Thos. M., 339.
Fassit, Francis, 201.
Freeman, Dr. Wm., 254.
Geylin, Emile, 173.
Gillou, Constant, 34.
Guex, John A., 201.
Hartshorne, Dr. Henry, 337.
Harrison, Joseph, 165.
Harding, George, 22.
Hagedorn, C. F., 397.
Hering, C. J., 408.
Hilgard, Dr. Theo., 337.
Howell, Samuel D., 418.
Humphreys, G. H., 408.
Hooper, Dr. Wm. H., 254.
Hunt, Dr. Wm., 264.
Laroche, René, Jr., 414.
Lewis, Dr. Samuel, 414.
Luther, Dr. Diller, 337.
Mallery, Garrick, 165.
McIlhenny, Dr. Wm. S., 88.
Merrick, J. V., 67.
Messchert, M., 337.
Moore, Dr. Samuel, 418.
Morris, Dr. J. Cheston, 337.
Negus, Jas. Engle, 34.
Newbold, Dr. Thos., 201.
Pennypacker, Dr. Isaac, 173.
Platt, Clayton I., 34.
Rogers, Fairman, 22.
Rush, Madison, U. S. N., 384.
Smith, J. Brinton, 126.
Smyth, Samuel, 384.
Spackman, Rev. Henry S., 395
Taggert, J. Edwards, 337.
Tiedemann, Henry, 395.
Turner, Dr. J. W., U. S. N., 22.
Tyson, Job R., 88.
Vanderkemp, Dr. J. J., 67.
West, Hilborne, 408.
Woodward, Dr. J. J., 384.

National Institute, Washington, don. to lib., xxviii.
Nat. Hist. Asso. of Prussian Rhineland and Westphalia, don. to lib., xx., xxxix.
Nat. Hist. Soc. of Halle, don. to lib., ii.

New Orleans Med. and Surg. Journ., don. of, by Editors, ix., xii., xvi., xxii.
New York Journ. of Med., don. of, by Editors, i., v., viii.
New York Lyceum of Nat. Hist., don. to lib., viii.
New York State Library, don. to lib., x., xxxi.
New York Med. Times, don. of, by Editors, xxiv., xxv., xxxviii.
New York Inst. for the Blind, don. to lib., xxiv.
New York Quarterly, don. of, by Editors, xxiv., xxxi.
Norwood, J. G. & H. Pratten, don. to lib., xxxii.
Nott, Dr. J. C., don. to lib., xl.
Nott, Dr. J. C. & G. R. Gliddon, don. to lib., vi.

Officers elected for 1854, 253; for 1855, 453.
Ord, George, don. to mus., xiv., xxvi. Remarks on the project of erecting a Monument to the memory of Alexander Wilson, at Paisley, Scotland, 415.
Owen, Richard, don. to lib., xxxi.

Patent Office of the U. S., don. to lib., xv., xxxiv.
Patterson, Wm., don. to mus., xxi.
Penna. Hist. Soc., don. to lib., xxii.
Penna. State Legis. Library of, don. to lib., xxiv.
Pickering, Dr. Charles, don. to lib., v.
Piddington, H., don. to lib., ix., xxviii.
Pierce, H., don. to mus., xxxvii.
Portland Soc. of Nat Hist. A complete sett of the Publications of the A. N. S., of Philada., presented to, 34.
Powel, Samuel, don. to mus., xxiii.
Powell, J. E., communication on the habits of the Moose, as observed in the State of Maine, 342.
Power, A. E., don. to mus., xxx.
Pratten, Henry, don. to mus., xiv., xvi.
Pryor, Dr. Charles, don. to mus., xi.
Pottsville Sci. Association, don., to lib., xxviii.

Quevenne, M., don. to lib., ix., xxxii.
Quesnel, Edward, don. to lib., xl.

Rand, Dr. B. H., don. to mus., vi., xvii.; don. to lib., iii., xxvii., xxxiii.; remarks on presenting a specimen of Uranite from the W. Banks of the Schuylkill River near Fairmount, 286; remarks on a specimen of Cyanide and Nitride of Tita nium, from the salamander of a blast furnace, at Spring Mill, 409.
Rand, Theo. W., don. to mus., xxiii.
Rank, Wm., don. to mus., xxxiii.
Ravenel, A. H., don. to mus., xxxi., xxxii., xxxix.
Retzius, Prof. A., on artificially formed skulls from the ancient world, 405.
Redfield, Wm. C., don. to lib., xv.
Rice, Wm., don. to mus., iv.
Riddle, Dr. J. M., don. to lib., xxi.
Ritchie, Capt. J. H., don. to mus., i.
Robeson, A., don. to mus., vi.
Royal Acad. of Science of Turin, don. to lib., xxxv.
Royal Acad. of Science of Madrid, don. to lib., xxxv.
Royal Acad. of Science of Stockholm, don. to lib., ix.
Royal Acad. of Science of Vienna, don. to lib., ix., xii., xx., xxvi., xxix., xxxiv.
Royal Acad. of Science of Amsterdam, don. to lib., xviii., xxxix.
Royal Imperial Geological Inst. of Vienna, don. to lib., ix., x., xxvii., xxix., xxxix.
Royal Inst. of Science of Lombardy, don. to lib., xxxv.
Royal Saxon Soc. of Science at Leipzig, don. to lib., ix., xxxix.
Royal Soc. of Science of Gottingen, don. to lib., xxxiii.
Royal Society of Edinburgh, don. to lib., iii., xxvii., xxxv.
Royal Netherlands Inst. of Science, don. to lib., v.
Royal Soc. of Liege, don. to lib., xxiii.
Ruschenberger, Dr., don. to mus., i., vii., xxiii., xxxvii.; don. to lib., viii., x.
Reports of Committees :—
On Mr. Girard's paper on an Entomostracan, 3; nominating Wm. P. Foulke, Esq. to deliver an Oration on the Anniversary (1854) of the Society, 14; in favor of the expediency of assembling the members at an Anniversary Dinner, (1854) 14; on publication of Part 4, Vol. 2, N. S. of the Journal, 22; on two papers by Messrs. Norwood and Pratten, of the Illinois Geological Survey, on new

species of Producti and on new species of Chonetes, 121; on Dr. Hallowell's contributions to S. American Herpetology, 165; on Dr. Holbrook's Description of Fishes of Florida, 195; to prepare a memorial to Congress soliciting aid to Dr. Kane and his companions in their Arctic perils, 255; on Messrs. Norwood and Pratten's Notices of Fossils from the Carboniferous series of the Western States, 284; on Prof. Julien Derby's Remarks on the Cryptogamic Flora of the State of Georgia, 284; on Mr. Durand's paper, "Plantæ Prattenianiæ," &c., 336; on Dr. J. Aitken Meigs's paper entitled Relation of Atomic Heat to Crystalline form, 395; of Committee appointed in 1852, to collect funds for the enlargement and improvement of the Hall of the Acad. Nat. Science of Philada., 447; of Committee appointed in 1853, to superintend the enlargement of the Hall of the A. N. S., 449; on Mr. Cassin's Description of a new species of Parrot, 418.

Resolutions; to present the thanks of of the Society to Mr. John A. Guex for a collection of Coleopterous Insects, 195; To present a copy of the "Proceedings" of the Academy to the Nat. Hist. Soc. of Schuylkil Co., Pa., 201, to appoint a Committee to draft a memorial to Congress to send an Expedition for the relief of Dr. Kane and his companions in the Arctic regions, 253; relative to a proposal made by the Board of Regents of the Smithsonian Institution to change the system of Administration of said Board, 284; inviting the members of the American Med. Asso. to visit the Museum of the Academy, 289; appointing a Committee to receive the members of the American Med. Asso., 336; on the occasion of Mr. George Ord's visit to Europe, 336; granting privilege of giving tickets of admission to the Museum, to Mrs. Margaret Harlan, 341; presenting the thanks of the Academy to Senor S. A. Sauvalle of Havana, for a donation of Shells, 409; presenting a sett of the Proceedings of the A. N. S., as far as published, to Prince Charles L. Bonaparte, 422; to invite the Educational Convention about to assemble in Philadelphia, to visit the Museum of the Academy, 422.

Sauvalle, F. A., don. to mus., xxxiii.
Sandberger, Dr. G., don. to lib., x.
Saussure, H. F. de, don. to lib., xv., xxiv.
Secretary, Corresponding, Report of, for 1854, 264; for January, 1855, 264.
Secretary, Recording, Report of, for 1854, 249.
Sergeant, J. D., don. to mus., i., iv., xiv., xxxvii.
Sampson, Jas., don. to mus., xxiii., descriptions of some new Marine Invertebrata, 385.
Silliman, Prof. B. Jr., on the supposed Human Footprints in the new Red Sandstone of Connecticut, 409.
Shaw, Dr. A., don. to mus., xiii.
Sitgreaves, Capt. L., don. to lib., x.
Smith, Aubrey H., don. to mus., xiv.
Smith, Charles S., don. to mus., xvii.
Smith, Dr. F. G., don. to lib., xv.
Smith, Dr. L., don. to mus., iv.
Smith, C. E., don. to mus., xxvi.
Smithsonian Institution, don. to mus., iv., xxiii., xxxvii.; don. to lib., vi., xii., xvi., xvii., xviii., xxxiv.
Society of Nat. Hist. of Strasburg, don. to lib., xiii.
Society of Nat. Hist. and Phys. of Geneva, don. to lib., xii.
Society of Arts, London, don. to lib., vii., xx., xxii., xxiii., xxviii., xxxvi.
Societé Zoologique d'Acclimatation, don. to lib., xxv.
Society of Nat. Hist. of Neufchatel, don. to lib., xl.
Speakman, John, decease of, 23.
Squire, E., don. to lib., xviii., xxix.
Stevens, Henry, don. to lib., xx.
Stimpson, W., Descriptions of some new Marine Invertebrata from the Chinese and Japanese seas, 375.
Stauffer, J., don. to lib., i.
Storer, D. H., don. to lib., xvii.
Sullivant, W. S., don. to lib., iii.

Taggert, Dr. W. H., don. to mus., xxxiii.
Tappan, Rev. H. P., don. to lib., iii.
Thomas, Prof. W. H. D., don. to mus., xxi.
Thompson, Zadock, don. to lib. x.
Tingley, Dr. W. H., don. to lib., ix.
Torrey, Dr. John, don. to lib., x.
Tuomey, M., Descriptions of new Fossils from the Cretaceous Rocks of the southern States, 167.
Trask, Dr. J. B., don. to lib., xxviii.
Trautwine, John C., don. to lib., xxiv

Troschel, Dr. F. H., don. to lib., ix., xx., xxiii., xxvii., xxix.
Trowbridge, Lieut. W. P., U. S. A., don. to mus., xv.

Uhler, Philip R., Descriptions of a few species of Coleoptera supposed to be new, 415.
University of the State of New York, don. to lib., viii., ix., xxxi.
United States National Observatory, don. to lib., xxii.

Van Beneden, Prof. P. J., don. to lib., xiii.
Vaux, W. S., don. to mus., i., iv., vi., xvii., xviii., xxiii., xxvi.
Vaux, Elwyn, Clay and Carpenter, Messrs., don. to lib., xxiv.
Virginia Med. and Surg. Journ., don. by Editors, i., iii., v., viii., x., xii., xv., xvi., xxi., xxii., xxiv., xxv., xxviii., xxxi., xxxii., xxxiv., xxxv., xxxix.
Wailes, B. L. C., don. to mus., xxv.; don. to lib., xxii.
Warren, Dr. J. C., don. to lib., ix. xxxi.
Warder, Prof., don. to lib., xxi.
Watson, Dr. G., don. to mus., i., iv., xvii., xxiii., xxvi.
Wheatley, Charles M., don. to mus., vi., xxvi., xxx.
Wetherill, Dr. C. M., don. to lib., xv., xxxi.; remarks on the action of charcoal on animal substances in promoting their rapid destruction, 203; Chemical notices, 233.
Weitenweber, Dr., don. to lib., ix.
Whitney, J. D., don. to lib., vii., xii.
Wied, Maximilian, Prince de, don. to mus., vi., ix.
Wilmer, Rev. Mr., don. to mus., iv.
Wilson, Dr. Thomas B., don. to mus., i., xxiii., xxvi., xxxiii , xxxvii.; don. to lib., ii., iii., v., vi., viii., x., xi., xii., xiii., xv., xvi., xvii., xviii., xix., xx., xxii., xxiii., xxiv., xxv., xxvii., xxviii., xxix., xxxi., xxxii., xxxiv., xxxv., xxxvi., xxxviii., xl.
Wilson, Wm. S., don. to lib., xxi.
Woodhouse, Dr. Samuel W., don. to mus., i., iv., vii., xiv.
Würtemburg Nat. Hist. Asso., don. to lib., ii., ix., xiii., xxix., xxxiii.
Wyman, Jeffries, don. to lib., xxxviii.
Wythes, Dr. Jos., don. to lib., xii.

Yeates, J., don. to mus., vii.

Zantzinger, Dr. W. S., don. to mus., i.
Zantedeschi, Ab. Francesco, Cav., don. to lib., xl.
Zoological Garden of Amsterdam, don. to lib., xxxiv.